Period: Date: Name:

**The Universe – Secrets of the Sun Focus Questions**

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| 1. Approximately how far away is the Sun from Earth? 2. What ***alternative energy*** resource is created by the Sun’s energy? 3. How does the sun create energy in its core? 4. What color is the Sun? 5. Helio-seismology involves using what to penetrate the Sun and reveal its structure? 6. Which planet in the solar system is a model for what Earth may be like a billion years in the future? 7. As our Sun runs out of hydrogen fuel, it will expand and become more luminous, settling into what type of star? 8. The Earth may be able to escape its fiery fate with the expanding Sun, how could this happen? 9. What other options for human survival might be considered far in the future? 10. When our Sun has run out of **all** fuel, what will it become? |